

## ABSTRACT

Disclosed are peer-to-peer computer program products, methods, and systems in which a remote peer on a peer-to-peer network is granted or denied access to a resource based on the credentials presented by the remote peer. In accordance with the disclosed subject  
5 matter, an access token that includes one or more security identification values which represent respectively one or more access rights in an access control system is generated. An execution thread that is associated with the access token thus generated attempts to access the resource on behalf of the remote peer. In some embodiments, the access control system includes a generic user account, and the access token that is generated for the remote peer  
10 includes the security identification value associated with the generic user account in the access control system.